

Converting Colors

XYZ(63.3731, 75.0186, 88.9325)

Have a look what the booklet for
XYZ(63.3731, 75.0186, 88.9325)
contains.

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Color

**XYZ(63.3820, 75.0605,
88.9894)**

Conversions

Conversions Part 1

Format	Color
Hex	B4EBEA
RGB	180, 235, 234
RGB Percent	71%, 92%, 92%
CMY	0.2941, 0.0784, 0.0823
CMYK	0.23, 0.00, 0.00, 0.08
HSL	179°, 58%, 81%
HSV	179°, 23%, 92%
XYZ	63.3820, 75.0605, 88.9894
YIQ	218.4410, -32.4590, -11.9710

Conversions

Conversions Part 2

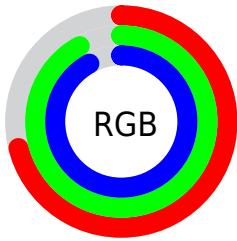
Format	Color
R _Y B	180, 208, 235
Decimal	11856874
CIE Lab	89.42, -17.57, -5.23
CIE LCh	89, 18.334, 196.577
Yxy	75.0605, 0.2787, 0.3300
Android (android.graphics.Color)	4290046954 (0xFFB4EBEA)
YUV	218.4410, 7.6706, -33.7128
Hunter-Lab	86.6375, -21.0290, -0.2533

Details

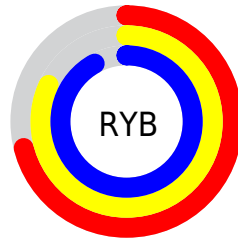
The XYZ color **63.3820, 75.0605, 88.9894** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.9254, 53.6430, 50.9676**, and the grayscale version is **66.9114, 70.3961, 76.6613**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **32.7602, 39.8902, 48.0924** is the 20% darker color. If you saturate the color by 10%, you get **58.3073, 72.4535, 88.4324**, and if you desaturate by 10%, it is **69.3887, 78.1519, 89.5940**.

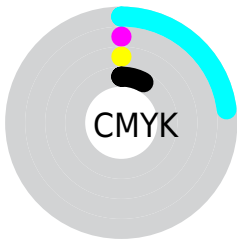
Distribution



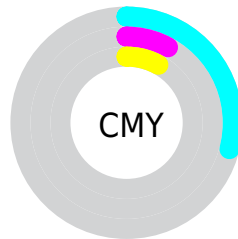
- Red (71%)
- Green (92%)
- Blue (92%)



- Red (71%)
- Yellow (82%)
- Blue (92%)



- Cyan (23%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)



- Cyan (29%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3820, 75.0605, 88.9894 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 63.3820, 75.0605, 88.9894 by changing the saturation by 10% instead.

63.3820, 75.0605,
88.9894

63.3820, 75.0605,
88.9894

426.5922,
478.1255, 545.2229

46.4101, 55.6625,
66.5738

108.7992,
126.3980, 147.8571

32.7756, 39.9324,
48.2789

137.9751,
159.1062, 185.1462

22.1130, 27.4858,
33.6863

171.9499,
197.0200, 228.2302

14.0570, 17.9384,
22.3773

211.0887,
240.5237, 277.5277

8.2423, 10.9058,
13.9334

255.7570,
290.0017, 333.4572

4.3035, 6.0035,
7.9361

306.3201,

1.8752, 2.8472,

345.8384, 396.4372

3.9669

363.1434,
408.4182, 466.8862

0.5624, 1.0525,
1.6072

0.0000, 0.0000,
0.2960

63.3820, 75.0605,
88.9894

63.3820, 75.0605,
88.9894

58.3073, 72.4535,
88.4324

69.3887, 78.1519,
89.5940

54.1114, 70.2975,
87.9158


76.3643, 81.7408,
90.2430


50.7456, 68.5694,
87.4388


84.3518, 85.8514,
90.9402


48.1538, 67.2403,
86.9987


86.0487, 86.7190,
91.3438


 46.2732, 66.2779,
86.5928


 86.1110, 86.7439,
91.6717


 45.0310, 65.6445,
86.2174


 86.1734, 86.7688,
92.0004

 44.3389, 65.2947,
85.8686

 86.2360, 86.7939,
92.3298

 44.0938, 65.1730,
85.6489

 86.2987, 86.8189,
92.6601

 86.3615, 86.8441,
92.9911

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.2683, 75.0605, 76.1205



63.3820, 75.0605, 88.9894



65.5700, 75.0605, 101.0391

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.3820, 75.0605, 88.9894



77.8004, 75.0605, 99.9341



73.3662, 75.0605, 59.9550

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



63.3820, 75.0605, 88.9894



58.9254, 53.6430, 50.9676

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.4448, 75.0605, 65.0492



63.3820, 75.0605, 88.9894



80.0765, 75.0605, 87.6046

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.3820, 75.0605, 88.9894



73.8351, 75.0605, 107.7974



79.9436, 75.0605, 74.8730



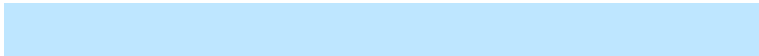
68.9072, 75.0605, 60.2421

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.3820, 75.0605, 88.9894



67.9648, 75.0605, 106.5873



79.9436, 75.0605, 74.8730



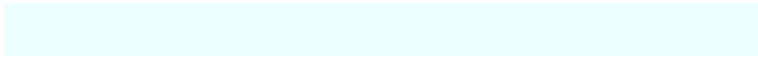
74.8309, 75.0605, 61.0700

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



63.3842, 75.0636, 88.9911



88.7328, 96.7494, 108.3310



57.2009, 72.6399, 54.1875



18.8819, 20.6515, 23.1771



0.0000, 0.0000, 0.0000



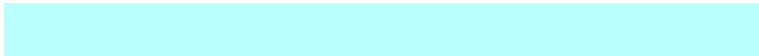
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.3842, 75.0636, 88.9911



73.2725, 88.7974, 106.7902



56.7023, 61.4685, 87.4769



15.5051, 17.1169, 19.3428



24.5447, 36.2723, 47.6946



1.9312, 2.8498, 3.7652

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



58.9254, 53.6430, 50.9676



67.0441, 58.8737, 53.6749



64.4930, 64.9424, 52.3174



15.0766, 15.0585, 15.6888



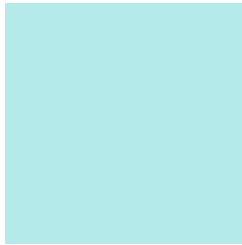
19.0859, 9.8370, 0.9876



1.5026, 0.7740, 0.0982

Previews

White Background



This preview shows how the XYZ color 63.3820, 75.0605, 88.9894 looks on a white background.

Color Contrast Check

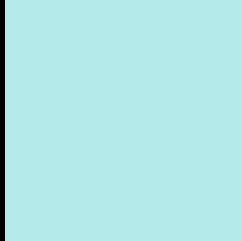
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 63.3820, 75.0605, 88.9894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

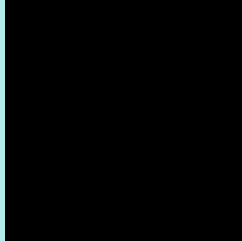
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.3820, 75.0605, 88.9894

Background



This preview shows how black text looks on a background with the XYZ color 63.3820, 75.0605, 88.9894.

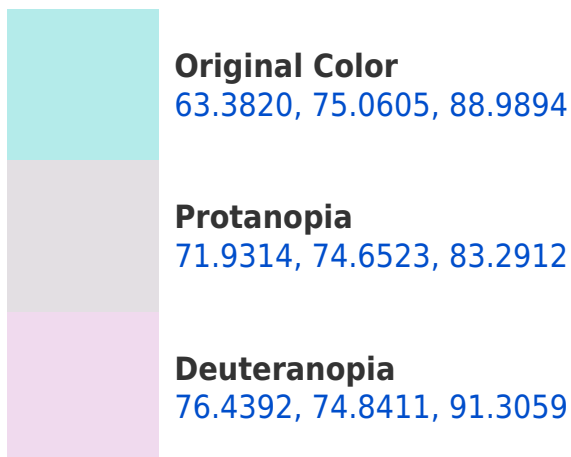


This preview shows how white text looks on a background with the XYZ color 63.3820, 75.0605,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy

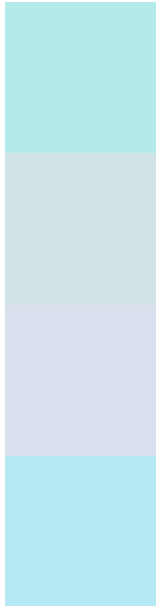




Tritanopia

66.0364, 74.8686, 102.2374

Trichromacy



Original Color

63.3820, 75.0605, 88.9894

Protanomaly

68.3304, 74.3530, 85.6131

Deuteranomaly

70.8552, 74.3312, 90.7336

Tritanomaly

65.1488, 74.9377, 97.4169

Monochromacy



Original Color

63.3820, 75.0605, 88.9894

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.0120, 71.5305, 80.9013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3820, 75.0605, 88.9894 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(180, 235, 234)` looks like.

```
.text, #text, p{  
    color:rgb(180, 235, 234)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(180, 235, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 235, 234) }
```

Border

The CSS property to change the border of an element to XYZ 63.3820, 75.0605, 88.9894 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 235, 234) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(180, 235, 234) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(180, 235, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 235, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 235, 234);  
box-shadow:4px 4px 4px 4px rgb(180, 235,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3820, 75.0605, 88.9894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 235, 234) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(180,  
235, 234) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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